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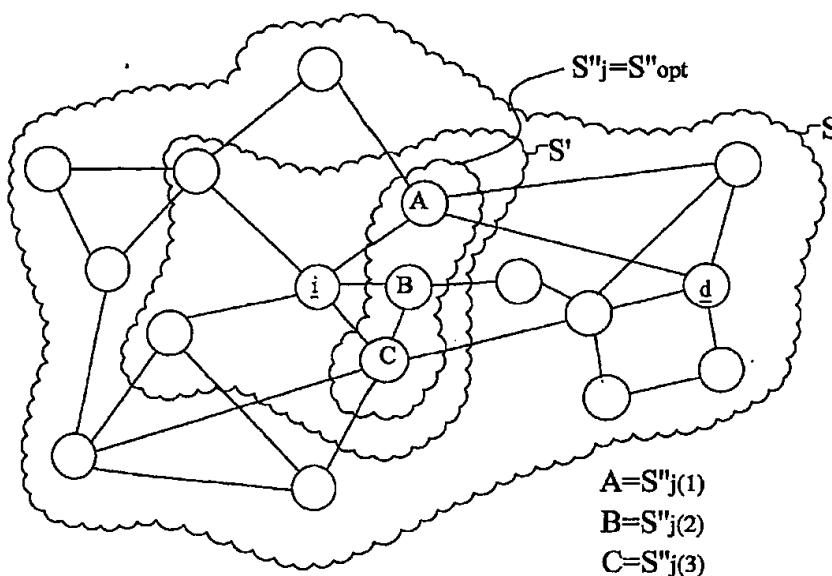
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(54) Title: **COST DETERMINATION IN A MULTIHOP NETWORK**



(57) Abstract: In a multihop communications network a cost determination method includes determining a plurality of simultaneously potential or favorable next hop nodes for at least one of the nodes between a source and a destination node pair, whereby a mesh-like path comprising a plurality of simultaneously potential routes or paths is defined between the source and destination node. This mesh-like structure is typically determined in a distributed manner and results from a cost optimization process. The cost optimization should preferably consider stochastic variations that for example are caused by the wireless medium.

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